

Date: Monday, 3/17/2008 11:57:08 AM
User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : FWD X-TUBE
Job Number : 38035	
Estimate Number : 10006	
P.O. Number :	Part Number : D2889
This Issue : 3/17/2008 S.O. No. :	Drawing Number : D2889 REV B
Prsht Rev. : NC	Project Number : N/A
First Issue : / / Type : LANDING GEAR	Drawing Revision : B
Previous Run : 38034	Material :
Written By :	Due Date : 4/4/2008 Qty: 1 Um: Each
Checked & Approved By : <u>Handwritten Signature</u>	
Comment : Est Rev:A New Issue 05-10-25 JLM	

Additional Product

Job Number: 

Seq. #:	Machine Or Operation:	Description :
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1.0	D6005180	Crosstube material
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Crosstube material

Pick: 4

Qty	Part number	Description	Batch
1	D2889	Fwd Crosstube	<u>D23763</u>

EL 8-4-8

2.0	BENDING	BENDING MACHINE
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Comment: LANDING GEAR RESOURCE 1

1-Bend D2889 as per Dwg D2889 and Folio FT001

EL 8-4-8

3.0	LANDING GEAR 1	LANDING GEAR RESOURCE 1
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Comment: LANDING GEAR RESOURCE 1

1-Deburr and Polish

see attachment
NIA

mf
08-04-07

4.0	QC15	DIMENSIONAL CHECK OF X-TUBES
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Comment: DIMENSIONAL CHECK OF X-TUBES

08/04/08

5.0	HAND FINISHING1	HAND FINISHING RESOURCE #1
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Comment: HAND FINISHING RESOURCE #1

Acid etch and alodine as per QSI 005 4.1
Inside and outside of tube

used on w/o #38036

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 3/17/2008 11:57:08 AM
User: Kim Johnston

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Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: FWD X-TUBE

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Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

7.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: _____

used in w/o 38860

8.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

08/04/14

Job Completion



MF 08-04-10

M

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

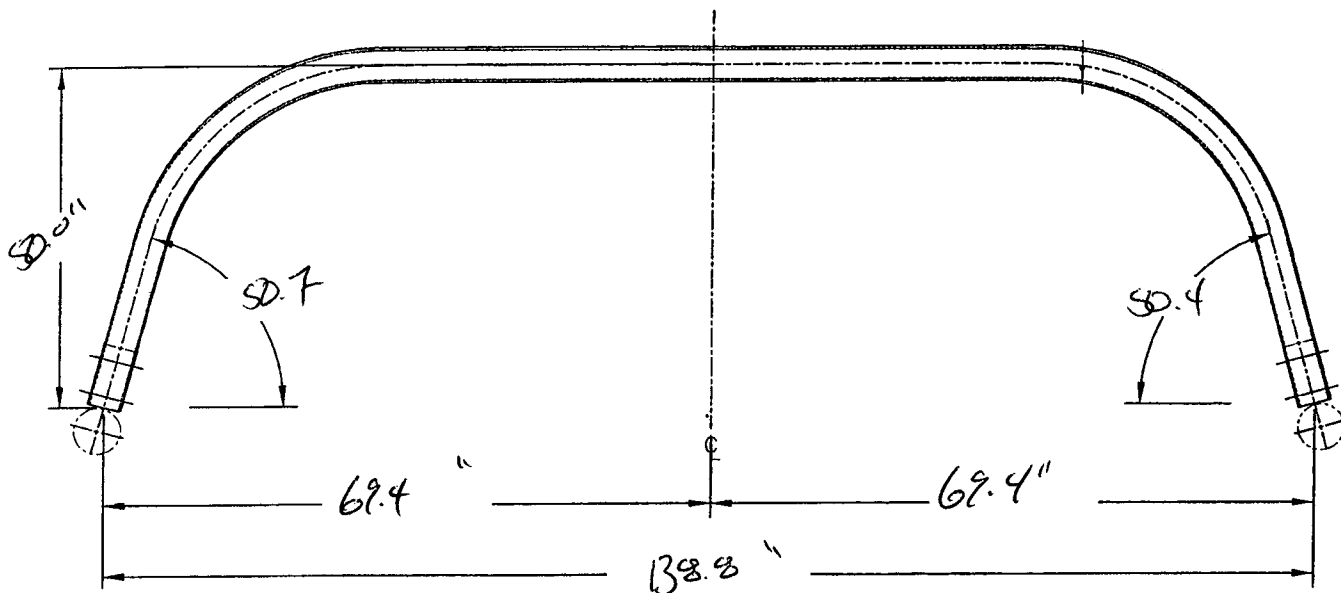
QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD		Work Order:	38035
Description: Crosstube Fwd		Part Number:	D2889
Inspection Dwg: D2889		Rev: B	Page 1 of 1

Required Dimension	Min	Max
Height	49.875	50.125
1/2 Span	69.275	69.525
Angle	49	52
Total Span	138.55	139.05



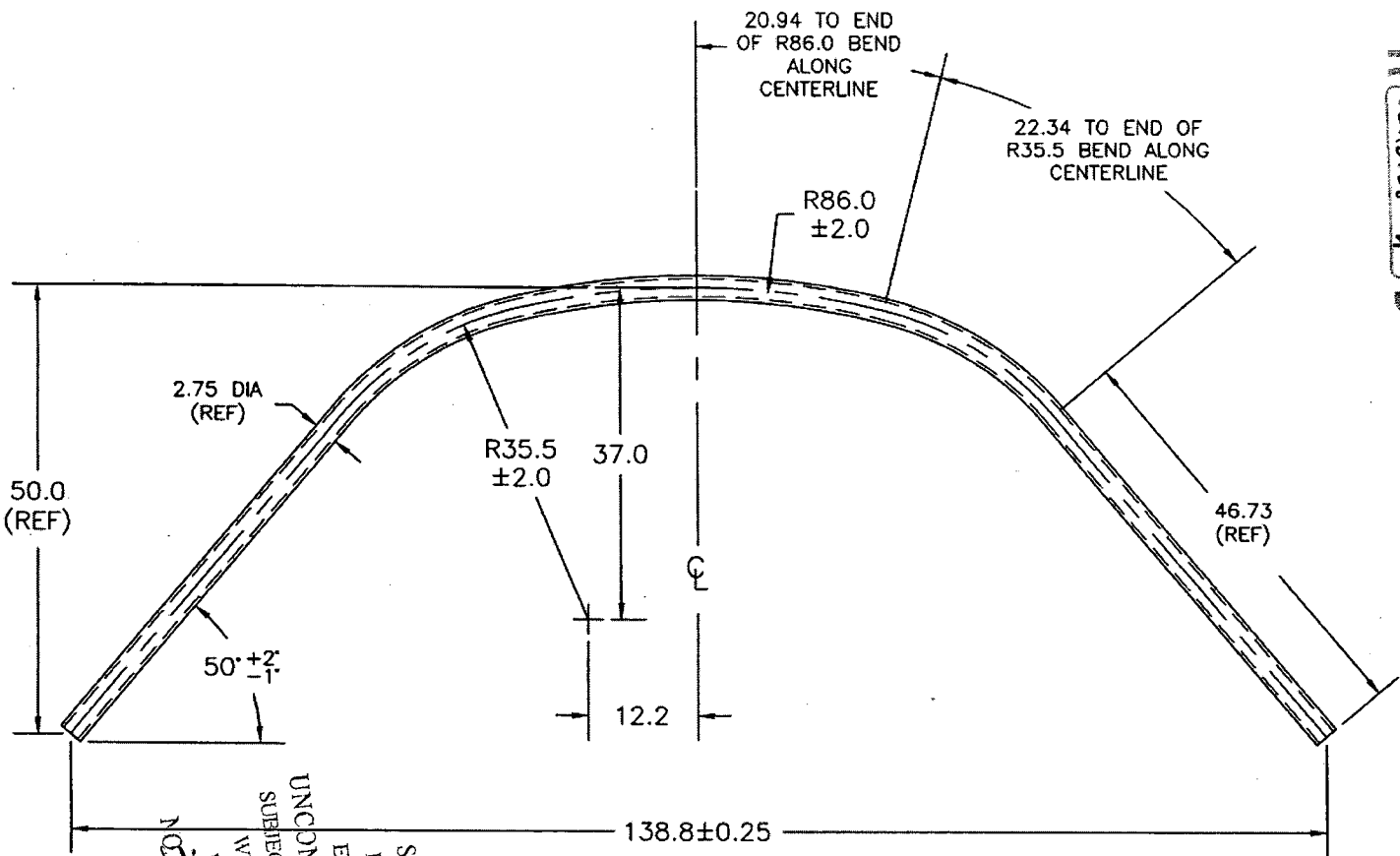
Comments
* used on w/b # 38360

QC15 Inspection	02/04/08
Date	

Rev	Date	Change	Revised by	Approved
A	07.02.06	New Issue	KJ/JM	

DART**RELEASED**
02.10.28

DESIGN		DRAWN BY		DART AEROSPACE LTD	
CHECKED		APPROVED		HAWKESBURY, ONTARIO, CANADA	
DATE		DRAWING NO.		REV. B	
02.10.18		D2889		SHEET 1 OF 1	
A		99.05.21		SCALE	
B		02.10.18		1:20	
		NEW ISSUE		FWD CROSSTUBE	
		ADD TANGENT LENGTHS; CHANGE NOTES			

**NOTES**

- 1) MATERIAL: MANUFACTURE FROM D6005-180 (Ø2.75 OD x 0.375 WALL)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) PART IS SYMMETRIC ABOUT CENTERLINE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) BEND PROGRESSIVELY WITH MINIMUM OF 3 PASSES
- 6) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.

Date: Friday, 04/04/2008 1:08:46 PM
 User: Melanie Fauteux

Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: FWD X-TUBE
Job Number	: 38035		
Estimate Number	: 10006		
P.O. Number	:	Part Number	: D2889
This Issue	: 04/04/2008	S.O. No.	:
Prsht Rev.	: NC	Drawing Number	: D2889 REV B
First Issue	: 17/03/2008	Project Number	: N/A
Previous Run	: 38034	Drawing Revision	: B
		Material	:
Written By	:	Due Date	: 04/04/2008
Checked & Approved By	:	Qty:	1 Um: Each
Comment	: Est Rev:A New Issue 05-10-25 JLM		

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

3.0

CROSSTUBES

CROSSTUBES RESOURCE 1



Comment: LANDING GEAR RESOURCE 1

REFERENCE ONLY



1-Deburr and Polish

N/A J. 06.04.14

Job Completion

